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Horticultural Abstracts

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Telephone: Wallingford (0491) 32111

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Horticultural Abstracts

is a monthly journal prepared by the
CAB INTERNATIONAL BUREAU OF HORTICULTURE
AND PLANTATION CROPS

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CBHPC also prepares *Ornamental Horticulture, Cotton and Tropical Fibres Abstracts, Tropical Oil Seeds Abstracts* and *Sorghum and Millets Abstracts*.

For further details of the whole range of CAB International publications and services see back cover.

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The main task of the Information Service, based at the CAB International Centre (CABIC) at Wallingford, is to make available to scientists, researchers, teachers, students, and allied disciplines, including agriculture, forestry, horticulture, and allied disciplines, information from the literature, including primary journals and reference works, and training information, especially in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature for abstracting by almost 100 scientists/linguists in the following 11 divisions:

Agricultural Economics
Animal Breeding & Genetics
Animal Health
Dairy Science & Technology
Nutrition
Pastures & Field Crops

Crop Protection
Forest Crops & Plantation Crops
Plant Breeding & Genetics
Soils
Forestry

Volume 59

Further material is acquired and processed by collaborating or contracted organizations. Other staff subordinate work the specialized subject areas, including the administration of new books and primary journals. The Publications Unit is responsible for printing CAB books, and the Marketing & Sales Division promotes and sells information services.

Scientific Services

CABI's Scientific Services consist of three institutes and two support services:

CAB International Institute of Entomology & Plant Pathology, Director Dr E.M. Hirst, located at 28 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute, Director Dr D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology, Director Dr R. Muller, located at Winchester Farm, St. Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three institutes provide a reference and information service for agricultural pests and other organisms, conduct research, undertake projects, and provide training in their fields of expertise.

CAB International Institute of Agricultural Control & Technology, Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College at Science and Technology, University of London. It has staff responsible for the development of new techniques in agricultural control, including the use of biological control agents, and the development of new control services, and the development of new control services.

Development of new control services is based upon research and development, and the development of new control services is based upon research and development, and the development of new control services is based upon research and development.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CABIC at Silwood Park, where the main Library is based. Additional literature collections at CAB, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

Prepared by

**C·A·B INTERNATIONAL
BUREAU OF HORTICULTURE AND PLANTATION CROPS**

1989

The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications links to all parts of the organization, including the four CABIC Institutes. CABIC is served by a modern computer system, giving access to the computers, and by advanced software systems for data management and information retrieval.

The staff of 20 include system administrators, programmers and computer operators. The principal systems are for the production of the CABIC bibliographic database and associated functions, plus accession control, subscription management and electronic publishing.

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Information Services

The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

Agricultural Economics
Animal Breeding & Genetics
Animal Health
Dairy Science & Technology
Nutrition
Pastures & Field Crops

Crop Protection
Horticulture & Plantation Crops
Plant Breeding & Genetics
Soils
Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services worldwide.

Scientific Services

CABI's Scientific Services consist of four Institutes and two support services:

CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Muller, located at Winches Farm, St. Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

Development Services (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

Systems

The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and PAGER for typesetting and information retrieval.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

CAB INTERNATIONAL INFORMATION SERVICES PRODUCTS AND SERVICES

Almost 100 scientists/linguists in the 11 Bureaux of CABI's Information Services at Wallingford, UK, with help from associated organizations and individuals worldwide, abstract and index the significant research and development literature in agriculture, forestry and allied disciplines. Over 10,000 serials and many other publications are scanned, and approximately 130,000 bibliographic records are compiled each year. From this computerized database is derived a wide range of information services and products in hard copy and machine-readable form, designed to meet a variety of customer needs.

HARD COPY PRODUCTS

Abstract journals

The following abstract journals on specific disciplines, specialist crops or products, or particular livestock are published, mostly monthly or quarterly. Each has author and subject indexes, cumulated annually in a special issue of the journal.

Animal Science and Production

Animal Breeding Abstracts; Dairy Science Abstracts; Nutrition Abstracts & Reviews, Series B-Livestock Feeds & Feeding; Pig News & Information; Poultry Abstracts.

Veterinary Science and Parasitic Diseases

Helminthological Abstracts; Index Veterinarius; Protozoological Abstracts; Review of Medical & Veterinary Entomology; Review of Medical & Veterinary Mycology; Veterinary Bulletin.

Crop Science and Production

Crop Physiology Abstracts; Faba Bean Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation & Drainage Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Growth Regulator Abstracts; Postharvest News and Information; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils & Fertilizers; Sorghum & Millets Abstracts; Soyabean Abstracts; Sugar Industry Abstracts; Wheat, Barley & Triticale Abstracts.

Also published is a series of current awareness publications (CAB Prompts) on specific crops. Subject indexes are not provided. Titles in the series so far are: *Groundnuts* and *Chickpeas/Pigeonpeas*. In addition, many retrospective compilations of abstracts (Annotated Bibliographies) on various topics are available on demand.

SDI Service

SDI (Selective Dissemination of Information) is a regular current awareness service based on the most recent input to the database. Subscribers decide their own search profile and receive search results at intervals of their choice, either as computer printout or on floppy discs suitable for most microcomputers. Delivery by airmail.

CAB Alerts

This is a special SDI service providing subscribers each month with the search results from standard profiles chosen by CABI. Numerous titles are available and the list is regularly updated to reflect new subject interests. Output is available on computer printout posted by airmail.

MACHINE-READABLE PRODUCTS AND SERVICES

Online Access

The machine-readable database, known as CAB ABSTRACTS, is publicly accessible online through DIALOG Information Services (USA), BRS Information Technologies (USA), ESA-IRS (Italy), DIMDI (GFR), JICST (Japan), CAN-OLE (Canada) and Tsukuba Daigaku (Japan). The whole database back to 1973 contains over 2 million records. Search aids include the CAB ABSTRACTS Online Manual, the CAB Thesaurus (1988 Edition) and the CAB International Serials Checklist (1988).

CAB ABSTRACTS on Compact Disc

The database is also available on CD-ROM (Compact Disc Read Only Memory). Volume one contains bibliographic citations and abstracts for 1984-86; the second volume contains the 1987-89 data. CD-ROM technology provides an online search capability without the worries of cost or telecommunication problems. An IBM or fully IBM-compatible PC, 640 K RAM, MS-DOS or PC-DOS version 2.1 or higher, and a CD-ROM player are needed. The SPIRS (SilverPlatter Information Retrieval System) software allows maximum search flexibility.

Magnetic tapes

Organizations with access to mini or mainframe computers may lease all or part of CAB ABSTRACTS on magnetic tape. Update tapes are issued monthly, and retrospective tapes as required.

OTHER PRODUCTS AND SERVICES

Document Delivery Service

Photocopies of originals of most articles included in the database are available from CABI Library Services, Silwood Park, Ascot, UK. Documents may also be ordered online via DIALOG's DIALORDER or ESA/IRS's PRIMORDIAL.

Books and serial publications

CABI publishes authoritative reference books, directories and serial publications, the latter including *Bulletin of Entomological Research*, *Outlook on Agriculture*, *Index of Current Research on Pigs*, *Distribution Maps of Pests*, *Distribution Maps of Plant Diseases*, *Bibliography of Systematic Mycology*, *Descriptions of Pathogenic Fungi & Bacteria*, *Index of Fungi*, and *Systema Ascomycetum*. CABI is a co-sponsor of the International Food Information Service which publishes *Food Science & Technology Abstracts*.

Forestry

Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.

Crop Protection

Biocontrol News & Information; Nematological Abstracts; Review of Agricultural Entomology; Review of Plant Pathology; Weed Abstracts.

Economics, Development and Sociology

Leisure, Recreation & Tourism Abstracts; Rural Development Abstracts; World Agricultural Economics & Rural Sociology Abstracts.

Machinery and Buildings

Agricultural Engineering Abstracts.

Human Nutrition

Nutrition Abstracts & Reviews, Series A-Human & Experimental.

Biotechnology/Biodeterioration

AgBiotech News & Information; Biodeterioration Abstracts.

C·A·B INTERNATIONAL BUREAU OF HORTICULTURE AND PLANTATION CROPS

WALLINGFORD, OXON, OX10 8DE, UK

Tel. Wallingford (0491) 32111

STAFF

Managing Editor

K.K.S. Bhat, BSc, MSc, Docteur es Sciences, MIHort

Scientific Information Officers

D.J. Cousins, BSc, MIBiol

J.E.K. Cox, BScHort

A.M. Doroszenko, BSc, PhD

E.E. Hardman, MSc

J.W. Jordan, FIL, Kew Cert

A.J. Rendell-Dunn, BSc

SYMBOLS FOR UNITS

Symbol	Unit or Prefix
a	are (10^2m^2)
a-	atto- ($\times 10^{-18}$)
A	ampere
Å	angstrom
atm	standard atmosphere
Btu	British thermal unit
bu	bushel
C	coulomb
c-	centi- ($\times 10^{-2}$)
°C	degree Celsius
cal	calorie
Cd	candela
Ci	curie
ctl	cental
cwt	hundredweight
d	day
d-	deci- ($\times 10^{-1}$)
da-	deca- ($\times 10$)
dB	decibel
°	degree (angle)
E	einstein
f-	femto- ($\times 10^{-15}$)
F	farad
°F	degree Fahrenheit
fl oz	fluid ounce

Symbol	Unit or Prefix
ft	foot (feet)
g	gramme
g _n	standard gravity
gal	gallon
G-	giga- ($\times 10^9$)
Gy	gray
H	henry
h	hour
h-	hecto- ($\times 10^2$)
ha	hectare (10^4m^2)
hkg	hectokilogram (10^2kg)
hp	horsepower
Hz	hertz
J	joule
k-	kilo- ($\times 10^3$)
K	kelvin
K _m	Michaelis constant
lb	pound
lbf	pound-force
lm	lumen
lx	lux
m	metre
m-	milli- ($\times 10^{-3}$)
M-	mega- ($\times 10^6$)

Symbol	Unit or Prefix
μ-	micro- ($\times 10^{-6}$)
min	minute (time)
	minute (angle)
mol	mole
n-	nano- ($\times 10^{-9}$)
N	newton
Ω	ohm
oz	ounce
p-	pico- ($\times 10^{-12}$)
Pa	pascal
q	quintal
qt	quart
R	Roentgen
rad	radiation absorbed dose
"	second (angle)
s	second (time)
sr	steradian (solid angle)
t	tonne
T-	tera- ($\times 10^{12}$)
T	tesla
V	volt
W	watt
Wb	weber
yd	yard

SYMBOLS FOR LANGUAGES

Af	Afrikaans	Fi	Finnish	Nl	Dutch and Flemish
Al	Albanian	Fr	French	No	Norwegian
Ar	Arabic	Gr	Greek	Pe	Persian
Az	Azerbaijani	He	Hebrew	Pl	Polish
Be	Byelorussian	Hu	Hungarian	Pt	Portuguese
Bg	Bulgarian	Ia	Interlingua	Ro	Romanian
Ch	Chinese	In	Indonesian	Ru	Russian
Cr	Croat	It	Italian	Sh	Serbo-Croat
Cs	Czech	Ja	Japanese	Sk	Slovak
Da	Danish	Ko	Korean	Sn	Slovene
De	German	La	Latin	Sv	Swedish
Ee	Estonian	Li	Lithuanian	Ta	Tajik/Tadzhik
En	English	Lv	Latvian	Tr	Turkish
Eo	Esperanto	Ma	Macedonian	Uk	Ukrainian
Es	Spanish	My	Malay/Bahasamalyasia		

Symbols with capitals represent the language of the paper; symbols without capitals the summaries.

Horticultural Abstracts

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TEMPERATE TREE FRUITS AND NUTS

	—	—	—	—	400	506	—	—	—	—	—	1105
Almonds	9	98	203	300	402	506	625	716	823	917	1011	1107
Apples	10	98	204	300	402	507	626	716	823	918	1011	1107
Apricots	15	102	210	304	407	—	626	721	828	925	1017	1115
Cherries	16	103	210	305	408	517	631	722	828	925	1018	1115
Chestnuts	17	—	—	305	—	519	632	—	829	926	—	1116
Cobnuts and hazelnuts	17	—	—	306	408	520	632	722	—	—	—	1116
Figs	17	104	—	—	408	520	633	—	—	—	1018	1117
Mulberries	—	104	—	—	409	—	—	—	829	—	—	—
Peaches and nectarines	17	104	210	306	409	520	633	722	829	926	1018	1117
Pears	19	106	210	307	410	523	634	723	830	928	1020	1118
Pecans and hickories	20	106	212	308	411	524	635	724	830	929	1022	1120
Pistachios	—	107	—	308	412	524	635	725	—	—	—	1120
Plums, prunes and damsons	20	107	213	308	412	—	636	725	831	929	1022	1120
Quinces	—	—	—	—	—	524	—	—	831	—	1023	—
Walnuts	20	—	213	309	412	525	636	725	831	930	1023	1121
Sundry crops	—	107	213	309	413	525	—	—	831	—	1023	1121

SMALL FRUITS

	21	108	213	309	413	525	637	726	831	930	1023	1121
<i>Actinidia</i> species	21	108	214	309	413	525	637	726	831	930	1023	1121
Currants	21	109	214	310	413	526	—	726	832	931	1024	1122
Gooseberries	—	—	214	—	414	—	—	—	—	931	1024	1122
Minor <i>Ribes</i> species	—	—	—	—	—	—	—	—	—	—	—	—
Blackberries	—	109	214	—	414	526	—	—	—	931	1024	1122
Raspberries	21	109	214	310	414	526	637	726	833	931	1024	1122
Minor <i>Rubus</i> species	—	109	214	—	415	527	—	—	833	—	1025	—
<i>Vaccinium</i> species	21	110	214	—	415	527	638	726	833	932	1025	1123
Strawberries	22	111	215	311	415	527	638	727	833	932	1025	1124
Sundry crops	22	112	—	312	—	—	639	728	834	934	1026	1125

VITICULTURE

	23	112	216	313	418	528	639	728	834	934	1026	1126
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VEGETABLES, TEMPERATE, TROPICAL AND GREENHOUSE

	—	—	—	—	422	532	—	—	—	—	—	1130
Alliaceae	26	117	—	319	423	533	—	732	839	940	1033	1133
Garlic	26	117	222	319	423	533	646	735	839	940	1033	1133
Leeks	27	118	223	320	—	—	646	735	839	—	1033	1133
Onions	27	118	223	320	424	534	646	735	840	941	1033	1134
Other Alliaceae	27	—	224	321	—	535	647	736	840	—	1034	1135
Chenopodiaceae	27	119	225	—	426	535	—	—	840	943	1035	1135
Beetroots	27	—	—	321	426	535	647	736	840	943	1035	1135
Spinach	28	119	225	321	426	536	648	737	840	943	1035	1136
Spinach beets	—	121	226	321	—	538	—	—	842	—	—	—
Other Chenopodiaceae	—	—	226	—	—	—	—	—	—	—	—	—
Compositae	28	121	—	—	426	538	—	738	842	—	1036	1136
Artichokes (Jerusalem)	—	121	—	—	—	—	—	738	842	944	1036	1136
Artichokes (globe)	28	—	—	—	—	538	—	738	842	945	—	—
Cardoons	—	—	—	—	—	—	—	—	—	—	—	—
Chicory	28	121	226	—	426	—	648	738	842	945	1037	1137
Endives	—	—	226	—	—	—	648	739	—	946	1037	1137
Lettuces	28	121	226	323	427	538	649	739	842	946	1037	1137

Salsify	—	—	—	—	—	—	—	—	—	—	—	—
Scorzonera	—	—	—	324	—	—	—	—	844	—	—	—
Other Compositae	—	122	228	—	—	540	—	—	—	947	—	—
Cruciferae	29	123	—	—	428	540	—	—	844	947	—	1139
Brassicas	29	123	228	324	428	540	649	740	844	947	1038	1139
Cress	31	—	—	—	431	542	652	743	846	949	1039	1141
Radishes	31	125	230	327	431	542	652	743	846	949	1039	1141
Watercress	32	—	—	328	—	—	—	—	—	—	—	—
Other Cruciferae	—	—	—	328	—	—	—	—	—	—	—	—
Cucurbitaceae	32	126	231	328	432	542	652	744	847	950	1039	1141
Leguminosae	34	130	—	332	434	547	—	—	849	953	1043	1145
Beans (<i>Phaseolus</i>)	34	130	235	332	434	547	657	748	849	953	1043	1145
Beans (<i>Vicia</i>)	36	132	239	334	437	549	659	751	852	955	1043	1147
Beans (<i>Cyamopsis</i>)	37	—	—	336	438	—	660	—	853	955	—	—
Peas	37	133	239	336	438	550	660	752	853	956	1044	1149
Other Leguminosae	40	135	241	338	440	552	—	755	—	957	1044	1152
Liliaceae	40	136	—	—	441	552	—	—	856	957	1044	1152
Asparagus	40	136	241	—	441	552	662	756	856	957	1044	1152
Other Liliaceae	—	—	—	—	—	—	—	—	—	—	1044	—
Malvaceae	40	136	—	—	441	553	—	—	856	958	1045	1152
Okras	40	136	242	338	441	553	662	756	856	958	1045	1152
Other Malvaceae	—	136	—	338	441	—	—	—	857	—	—	—
Polygonaceae	40	136	—	—	—	553	—	—	857	—	—	1153
Rhubarb	40	136	—	—	—	553	—	—	857	—	—	—
Other Polygonaceae	—	136	—	—	—	—	—	—	—	—	—	1153
Solanaceae	40	137	—	—	441	553	—	—	857	958	1045	1153
Capsicums	40	137	242	338	441	553	662	—	857	958	1045	1153
Aubergines and eggplants	42	138	244	339	442	554	663	757	859	959	1047	1154
Tomatoes	42	139	244	340	442	555	664	757	860	959	1047	1155
Other Solanaceae	47	—	—	—	—	560	—	763	863	—	—	—
Umbelliferae	47	143	—	—	447	560	—	—	863	965	1051	1162
Carrots	47	143	251	347	447	560	669	763	863	965	1051	1162
Parsnips	47	—	—	348	—	—	—	—	—	—	—	1164
Celery	47	145	252	348	447	560	—	764	864	966	—	—
Celeriac	47	—	252	348	—	—	—	765	865	966	—	—
Other Umbelliferae	—	—	252	—	447	—	—	—	—	—	—	—
Sundry crops	47	145	252	348	448	562	669	765	865	966	1051	1164
Mushrooms	47	145	253	349	448	562	670	766	866	967	1051	1164
Other fungi	48	146	253	349	448	562	670	766	866	967	1052	1164
ORNAMENTAL PLANTS	—	—	—	—	449	—	—	—	—	—	—	—
Antirrhinums	49	—	254	—	451	—	671	—	—	968	—	—
Carnations and pinks	49	148	254	352	451	565	671	768	—	968	1054	1166
Chrysanthemums	49	148	255	352	451	565	671	769	867	969	1055	1167
Gerberas	50	149	—	—	453	566	—	770	867	970	—	1167
Morning glories	—	149	256	352	—	566	—	771	868	—	—	1167
Pelargoniums	50	—	—	352	453	567	—	—	868	970	1055	1167
Petunias	51	150	256	353	—	567	—	771	868	970	—	1167
Primulas	—	—	—	—	454	567	671	771	—	—	—	—
Saintpaulias	51	150	256	353	454	567	—	771	868	971	1056	—
Other annual and herbaceous plants	51	150	256	353	454	567	672	771	868	971	1056	1167
Bulbs, tubers, etc. — general	—	152	—	355	—	—	—	773	870	—	1056	1169
Anemones	—	—	—	—	—	569	673	773	—	—	—	—
Begonias	52	152	257	—	456	—	673	774	871	972	1056	—
Crocuses	—	—	—	—	—	—	—	—	—	—	—	—
Cyclamens	52	—	—	—	456	—	—	774	871	—	1057	—
Dahlias	52	—	—	—	—	—	—	—	—	—	—	—
Freesias	—	—	—	—	—	569	—	774	—	—	—	—
Gladioli	53	—	257	355	457	569	673	774	—	973	1057	1169
Gloxinias	—	152	257	—	—	—	—	—	—	—	1057	—
Hyacinths	—	152	—	355	457	—	—	—	871	—	—	—

Irises	53	152	258	—	457	570	—	774	871	973	1057	1169
Lilies	53	—	258	355	457	570	674	774	871	973	1058	1169
Narcissi	53	152	258	356	457	570	—	775	—	—	1059	—
Nerines	—	—	—	—	—	—	—	775	—	—	—	—
Tulips	54	153	—	356	—	570	674	775	—	973	1059	1169
Other bulbs, tubers, etc.	54	153	258	357	457	571	674	776	872	—	1059	1170
Lawns and other turf	54	153	258	357	459	572	675	777	872	974	1060	1171
Aquatic plants	—	153	259	—	460	—	675	—	873	—	—	—
Bromeliads	—	154	259	—	460	572	—	778	—	975	—	1172
Other foliage and succulent plants	56	154	259	358	460	572	676	778	873	975	1061	1172
Orchids	57	156	261	359	463	575	676	780	875	976	1062	1173
Woody plants — general	—	157	263	360	464	577	677	781	876	978	1063	1173
Bougainvilleas	—	158	—	—	466	—	677	—	—	—	—	—
Camellias	—	—	—	361	466	—	677	—	876	978	1063	—
Conifers	58	158	263	361	466	579	—	—	877	979	1063	1174
Heaths and heathers	58	159	—	—	466	—	—	—	—	—	1064	—
Hollies	59	159	—	—	—	580	—	781	877	—	—	1174
Hydrangeas	—	159	—	361	467	—	—	782	—	979	—	—
Ivies	59	159	264	—	467	580	—	782	877	979	1064	1174
Jasmines	59	—	264	—	467	—	—	—	877	—	—	1174
Lilacs	59	—	—	—	467	—	—	782	877	980	—	1174
Magnolias	—	—	264	—	—	—	—	—	877	980	—	—
Poinsettias	—	159	264	361	467	580	677	—	—	980	1064	1174
Rhododendrons and azaleas	59	—	264	361	468	580	678	782	878	981	1064	1175
Roses	59	160	265	—	469	581	678	782	878	981	1065	1175
Other woody plants	60	161	266	361	471	582	678	783	879	981	1066	1176

MINOR TEMPERATE AND TROPICAL INDUSTRIAL CROPS

Condiment and spice plants	62	163	267	364	475	584	680	786	882	982	1067	1177
Dye plants	63	—	—	365	476	586	—	787	883	983	1068	1178
Essential oil plants	63	165	269	365	476	586	680	787	883	983	1068	1178
Hard fibre plants	64	166	271	366	—	587	—	—	885	985	1070	1179
Hops	64	166	271	366	477	587	681	788	885	985	1070	1179
Insecticidal and other pesticidal plants	64	167	272	366	477	588	682	789	885	985	1071	1180
Medicinal plants	65	167	274	368	479	588	682	790	886	988	1074	1181
Perennial fatty oil plants	72	176	277	377	487	593	687	797	895	993	1084	1187
Sundry plants	72	177	277	377	487	593	688	797	895	993	1084	1187

SUBTROPICAL FRUIT AND PLANTATION CROPS

Avocados	72	177	278	378	487	594	689	797	896	993	1085	1188
Carobs	—	—	—	—	—	594	—	—	—	—	—	—
Citrus	73	178	278	378	488	595	692	797	896	994	1085	1188
Dates	74	—	284	382	491	599	694	803	—	996	1088	—
Feijoas	—	—	—	—	—	599	694	—	—	—	1088	1193
Litchis	75	182	284	383	492	599	694	—	899	997	1088	—
Longans	—	—	—	—	—	600	—	—	—	—	—	—
Loquats	75	183	—	—	492	—	—	803	—	—	—	—
Macadamias	75	183	284	383	492	600	694	803	899	997	1089	1193
Olives	75	183	285	383	492	603	695	804	899	997	1089	1193
Passion fruits	76	—	—	383	493	603	—	804	—	—	—	1193
Persimmons	—	184	285	—	493	603	695	804	—	997	1089	—
Pomegranates	—	185	—	—	493	604	—	804	—	—	—	—
Prickly pears	—	—	—	—	—	604	—	805	—	997	—	—
Tamarillos	76	—	—	383	—	—	—	—	—	998	—	1194
Tung	—	—	—	—	—	—	—	—	—	—	—	—
Sundry crops	—	—	—	384	493	604	695	805	900	—	1089	—

TROPICAL FRUIT AND PLANTATION CROPS

<i>Annona</i> species	—	—	286	—	493	605	—	805	900	998	—	—
<i>Areca</i> species	—	185	—	—	—	—	—	805	—	—	—	—
<i>Artocarpus</i> species	—	—	—	—	493	605	696	805	—	—	1089	—
Bananas and abaca	76	186	286	385	493	605	696	805	900	998	1089	1194
Cashews	77	187	287	385	494	—	697	806	902	—	—	1195
Cocoa	77	187	287	385	494	606	697	806	902	1000	1090	1195
Coconuts	78	189	287	386	494	606	698	807	902	1001	1091	1195
Coffee	78	189	288	386	495	607	698	808	902	1001	1091	1196
Cola	—	—	—	386	—	—	—	—	—	1001	—	—
Guavas	79	190	288	387	495	607	702	809	903	1002	1091	1196
Mangoes	79	190	288	387	—	608	702	810	903	1002	1091	1197
Oil palms	80	191	289	387	495	609	702	810	904	1002	1092	1198
Pawpaws	81	192	289	389	495	609	703	811	904	1002	1092	1198
Pineapples	81	192	290	—	496	—	703	811	904	1002	1092	1198
Rubber	81	192	290	389	496	609	703	811	905	1003	1093	1198
Sapodillas	—	—	290	—	—	—	—	—	—	1004	—	1199
Sugarcane	84	193	291	390	497	610	703	812	905	1004	1093	1199
Tea	86	194	293	390	499	612	704	813	906	1005	1093	1200
<i>Ziziphus</i> species	86	195	294	391	499	613	—	814	906	—	1094	1201
Sundry crops	86	195	294	391	499	613	705	814	906	1006	1094	1201

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Many other serials were scanned during 1989 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSN's and publishers' addresses. See a separate page of this Index for details.

- A E Research, Department of Agricultural Economics, Cornell University
 Abstracts of Communicated Papers [Horticulture Abstracts], Korean Society for Horticultural Science
 ACIAR Working Paper
 Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
 Acta Agraria et Silvestria, Agraria
 Acta Agriculturae Scandinavica
 Acta Agriculturae Nucleatae Sinica
 Acta Agriculturae Scandinavica
 Acta Agriculturae Universitatis Jilinensis
 Acta Agriculturae Universitatis Pekinensis
 Acta Agrobotanica
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 Acta Biologiae Experimentalis Sinica
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 Acta Botanica Hungarica
 Acta Botanica Neerlandica
 Acta Botanica Sinica
 Acta Ecologica Sinica
 Acta Facultatis Rerum Naturalium Universitatis Comenianae, Botanica
 Acta Facultatis Rerum Naturalium Universitatis Comenianae, Physiologia Plantarum
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 Acta Phytophysiological Sinica
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 Acta Scientiarum Naturalium Universitatis Sunyatseni
 Acta Societatis Botanicorum Poloniae
 Acta Therapeutica
 Acta Universitatis Agriculturae Brno, A (Facultas Agronomica)
 Actes de l'Institut Agronomique et Vétérinaire Hassan II
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 Agricultural and Biological Chemistry
 Agricultural and Forest Meteorology
 Agricultural Digest
 Agricultural Engineer
 Agricultural Engineering in South Africa
 Agricultural History
 Agricultural Information Development Bulletin
 Agricultural Mechanization in Asia, Africa and Latin America
 Agricultural Research Journal of Kerala
 Agricultural Research Review
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 Agricultural Reviews
 Agricultural Science Digest, India
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 AI Applications in Natural Resource Management
 Alafua Agricultural Bulletin
 Alexandria Journal of Agricultural Research
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 American Fruit Grower
 American Journal of Alternative Agriculture
 American Journal of Botany
 American Journal of Enology and Viticulture
 American Midland Naturalist
 American Nurseryman
 American Orchid Society Bulletin
 American Rhododendron Society Journal
 American Vegetable Grower
 Anais da Escola Superior de Agricultura 'Luiz de Queiroz', Universidade de São Paulo
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 Anais das Escolas de Agronomia e de Veterinária, Universidade Federal de Goiás
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 Analytical Biochemistry
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 Annales de l'Institut National de la Recherche Agronomique de Tunisie
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 Annales Universitatis Mariae Curie-Skłodowska, E (Agricultura)
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 Annali dell'Istituto Sperimentale per le Colture Industriali, Italy
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 Annals of Agricultural Science, Ain Shams University
 Annals of Agricultural Science, Moshtohor
 Annals of Applied Biology
 Annals of Applied Nematology
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 Annals of Botany
 Annals of Plant Physiology
 Annals of the Missouri Botanical Garden
 Annals of the Phytopathological Society of Japan
 Annals of Warsaw Agricultural University SGGW-AR, Horticulture
 Annual Journal, Royal New Zealand Institute of Horticulture
 Annual Report of the Society of Plant Protection of North Japan
 Annual Review of Entomology
 Antiviral Research

- Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
 Applied Agricultural Research
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 ARS Pharmaceutica
 ASCOLFI Informa
 Asparagus Research Newsletter
 Aspects of Applied Biology
 Assiut Journal of Agricultural Sciences
 ATAC
 Atmospheric Environment
 Atti dell'Istituto Botanico e del Laboratorio Crittogamico dell'Università di Pavia, 7
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 Australian Journal of Agricultural Research
 Australian Journal of Botany
 Australian Journal of Experimental Agriculture
 Australian Journal of Plant Physiology
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 Bayerisches Landwirtschaftliches Jahrbuch, Sonderheft
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 Begonian
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 Biochemical Journal
 Biochemical Pharmacology
 Biochemical Society Transactions
 Biochemical Systematics and Ecology
 Biochimie und Physiologie der Pflanzen
 Biochemistry International
 Biochimica et Biophysica Acta, B (Bioenergetics)
 Biochimica et Biophysica Acta, C (Molecular Cell Research)
 Biochimica et Biophysica Acta, L (Lipids and Lipid Metabolism)
 Biochimica et Biophysica Acta, M (Biomembranes)
 Biochimica et Biophysica Acta, P (Protein Structure and Molecular Enzymology)
 Biochimie
 Biocontrol News and Information
 Biologia Plantarum
 Biológia, Czechoslovakia
 Biological Agriculture and Horticulture
 Biological and Cultural Tests for Control of Plant Diseases
 Biological Bulletin
 Biological Wastes
 Biologicheskii Zhurnal Armenii
 Biologisches Zentralblatt
 Biology and Fertility of Soils
 Biology Bulletin of the Academy of Sciences of the USSR
 Biology of the Cell
 Biomass
 BioScience
 Biotechnology Letters
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 Biuletyn Warzywniczy
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 Boletim Técnico, Centro de Pesquisas do Cacau, Brazil
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 Botanica Acta
 Botanical Bulletin of Academia Sinica, Taiwan
 Botanical Gazette
 Botanical Journal of the Linnean Society
 Botanical Review
 Botanicheskii Zhurnal
 Bothalia
 BPP (Buletinul de Protecția Plantelor)
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 Brenesia
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 Bulletin of the Vegetable and Ornamental Crops Research Station, C (Kurume)
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 Bulletin of the Yamaguchi Agricultural Experiment Station

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 Bulletin, Arkansas Agricultural Experiment Station
 Bulletin, Connecticut Agricultural Experiment Station
 Bulletin, Pennsylvania Flower Growers
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 Byulleten' Gosudarstvennogo Nikitskogo Botanicheskogo Sada
 Byulleten' Nauchnoi Informatsii Tsentral'noi Ordena Trudovogo Krasnogo Znameni Geneticheskoi Laboratorii Imeni I. V. Michurina
 Byulleten' Vsesoyuznogo Instituta Gel'mintologii im. K.I. Skryabina
 Café, Cacao, Thé
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 California Agriculture
 California Avocado Society Yearbook
 California Turfgrass Culture
 Camellia Journal
 Canadian Agricultural Engineering
 Canadian Entomologist
 Canadian Journal of Botany
 Canadian Journal of Chemistry
 Canadian Journal of Microbiology
 Canadian Journal of Plant Pathology
 Canadian Journal of Plant Science
 Canadian Journal of Soil Science
 Capsicum Newsletter
 Carbohydrate Research
 Časopis Slezského Muzea, Vědy Přírodní
 Ceiba
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 Cenicafe
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 Champignoncultuur
 Chasqui, Costa Rica
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 Chemistry Letters
 Chemosphere
 Chinese Journal of Biological Control
 Chinese Journal of Entomology
 Chinese Medical Journal
 Chmelářství
 Chromatographia
 Ciência Biológica
 Ciencia e Investigación Agraria
 Ciencia y Técnica en la Agricultura, Café y Cacao
 Ciencia y Técnica en la Agricultura, Cítricos y Otros Frutales
 Ciencia y Técnica en la Agricultura, Hortalizas, Papa, Granos y Fibras
 Ciencia y Técnica en la Agricultura, Mecanización de la Agricultura
 Ciencia y Técnica en la Agricultura, Riego y Drenaje
 Ciencia y Técnica en la Agricultura, Suelos y Agroquímica
 Ciencia y Técnica en la Agricultura, Viandas Tropicales
 Ciencia y Técnica en la Agricultura: Mecanización de la Agricultura
 Ciencia y Técnica, Cítricos y Otros Frutales
 Ciencias de la Agricultura
 Científica
 CIMAP Newsletter
 Circular Técnica, Centro Nacional de Pesquisa de Arroz e Feijão, EMBRAPA, Brazil
 Circular Técnica, Centro Nacional de Pesquisa de Coco, EMBRAPA
 Circular, Agricultural Experiment Station, University of Florida
 Circular, Alabama Agricultural Experiment Station, Auburn University
 Circular, Louisiana Agricultural Experiment Station
 Citrograph
 Citrus & Vegetable Magazine
 Citrus and Subtropical Fruit Journal
 Clinical and Experimental Dermatology
 CMU Journal of Agriculture, Food and Nutrition
 Cocoa Growers' Bulletin
 Coconut Bulletin, Sri Lanka
 Colloques de l'INRA
 Culture Protette
 Combined Proceedings, International Plant Propagators' Society
 Comments on Agriculture and Food Chemistry
 Communications in Soil Science and Plant Analysis
 Comparative Physiology and Ecology
 Comptes Rendus des Essais, UNILEC, Union Nationale Interprofessionnelle des Légumes de Conserve, France
 Comptes Rendus de l'Académie d'Agriculture de France
 Comptes Rendus de l'Académie des Sciences, III (Sciences de la Vie)
 Comptes Rendus des Essais, UNILEC, Union Nationale Interprofessionnelle des Légumes de Conserve, France
 Comptes Rendus des Séances de la Société de Biologie et de ses Filiales, France
 Computers and Electronics in Agriculture
 Comunicaciones INIA, Producción Vegetal
 Comunicado Técnico, Centro Nacional de Pesquisa de Mandioca e Fruticultura, EMBRAPA, Brazil
 Comunicado Técnico, Empresa Capixaba de Pesquisa Agropecuária, EMBRAPA, Brazil
 Comunicado Técnico, Empresa Catarinense de Pesquisa Agropecuária, EMPASC, Brazil
 Comunicado Técnico, Empresa de Pesquisa Agropecuária do Ceará, Brazil
 Comunicado Técnico, Empresa de Pesquisa Agropecuária do Estado do Rio de Janeiro, EMBRAPA, Brazil
 Comunicado Técnico, Unidade de Execução de Pesquisa de Âmbito Estadual, EMBRAPA, Brazil
 Connaissance de la Vigne et du Vin
 Connecticut Greenhouse Newsletter
 Contact Dermatitis
 CRC Critical Reviews in Food Science and Nutrition
 CRC Critical Reviews in Plant Sciences
 Crop Improvement
 Crop Protection
 Crop Science
 Cruciferae Newsletter
 Cryobiology
 CSIRO Food Research Quarterly, Australia
 Cultivos Tropicales
 Current Agriculture
 Current Farm Economics
 Current Genetics
 Current Research Reporter, Mahatma Phule Agricultural University
 Current Research, University of Agricultural Sciences, Bangalore
 Current Science, India
 Cytologia
 Date Palm Journal
 Deciduous Fruit Grower
 Dendroflora
 Dermatosen in Beruf und Umwelt
 Desert Plants
 Deutsche Baumschule
 Deutscher Gartenbau
 Difesa delle Piante
 Dirasat
 Dissertation Abstracts International, B (Sciences and Engineering)
 Divisional Note, AFRC Institute of Engineering Research, UK
 Documentos CNPMF (Centro Nacional de Pesquisa de Mandioca e Fruticultura), Brazil
 Documentos de Ciencia y Técnica, Ciencias Agropecuarias, Instituto Superior de Ciencias Agropecuarias de La Habana
 Documentos, Centro de Pesquisa Agropecuária do Trópico Semi-Arido, EMBRAPA, Brazil
 Documentos, Empresa Capixaba de Pesquisa Agropecuária, EMCAPA, Brazil
 Documentos, Empresa Catarinense de Pesquisa Agropecuária, EMBRAPA, Brazil
 Doga Türk Biyoloji Dergisi
 Doga Türk Botanik Dergisi
 Doga, Türk Tarım ve Ormanlık Dergisi
 Doklady Akademii Nauk SSSR
 Doklady Biochemistry
 Doklady Botanical Sciences
 Doklady Vsesoyuznoi Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaistvennykh Nauk Imeni V. I. Lenina
 Down to Earth
 East African Agricultural and Forestry Journal
 Ecological Bulletins
 Economic Botany
 Edisi Khusus Penelitian Tandman Reinpah dan Obat
 Eesti NSV Teaduste Akadeemia Toimetised, Bioloogia
 Ege Üniversitesi Ziraat Fakültesi Dergisi
 Egyptian Journal of Phytopathology
 EMBO Journal
 Energy Conversion and Management
 Entomologia Experimentalis et Applicata
 Entomon
 Entomophaga
 Environment and Ecology
 Environment International
 Environmental and Experimental Botany
 Environmental Entomology
 Environmental Pollution
 Environmental Technology Letters
 Environmental Toxicology and Chemistry
 Erwerbsobstbau
 Essays in Agricultural and Food Microbiology
 Ethiopian Journal of Agricultural Sciences
 Euphytica

- European Journal of Biochemistry
 European Journal of Cell Biology
 European Patent Application
 Evolution
 Experientia
 Experimental Agriculture
 Extension Bulletin, ASPAC Food and Fertilizer Technology Center
 for the Asian and Pacific Region, Taiwan
 Extension Bulletin, Cooperative Extension, College of Agriculture,
 Washington State University
 Extension Bulletin, Food and Fertilizer Technology Center, Taiwan
 FABIS Newsletter, Faba Bean Information Service, ICARDA
 Fagopyrum
 FAO Plant Production and Protection Paper
 FAO Plant Protection Bulletin
 Far Eastern Agriculture
 Farmers' Newsletter, Horticulture
 Farming in South Africa
 FCAP Nota Prévia, Faculdade de Ciências Agrárias do Pará, Brazil
 FEBS Letters
 Feddes Repertorium
 Fertiliser News
 Fertilizer Research
 Fertilizer Review
 Fett Wissenschaft Technologie
 Feuille d'Extension
 FFTC/ASPAC Book Series
 Field Crops Research
 Fitopatologia Brasileira
 Fitoterapia
 Fiziologiya i Biokhimiya Kul'turnykh Rastenii
 Fiziologiya na Rasteniyata
 Fiziologiya Rastenii
 Flavour and Fragrance Journal
 Flora, German Democratic Republic
 Florida Entomologist
 Fluoride
 Folia Geobotanica et Phytotaxonomica
 Foliage Digest
 FONAIAP Divulga
 Food and Chemical Toxicology
 Food Chemistry
 Food Microstructure
 Food Technology
 Forensic Science International
 Forest Science and Technology
 Fragmenta Herbológica Jugoslavica
 Fresenius' Zeitschrift für Analytische Chemie
 Fruit Belge
 Fruit Science Reports
 Fruit Trees
 Fruit Varieties Journal
 Fruits
 Fruitteelt
 FRUT-Revista de Fruticultura
 Fujian Agricultural Science and Technology
 Functional Ecology
 Garden, UK
 Gardens' Bulletin, Singapore
 Gartenamt
 Gartenbau
 Gartenbautechnische Informationen
 Gärtner Tidende
 Gärtnermeister
 Gärtneryrket
 Gb + Gw
 Gemüse
 Genetic Manipulation in Crops Newsletter
 Genetica
 Genetica Agraria
 Genética Ibérica
 Genome
 Geobios, India
 Geothermics
 Gesunde Pflanzen
 Gewasbescherming
 Gidromeliór. i Gidrotekhn. Str-vo (L'vov)
 Giessener Beiträge zur Entwicklungsforschung, I
 Giornale Italiano di Entomologia
 Godishnik na Sofitskiya Universitet 'Kliment Okhridski', Bio-
 logicheski Fakultet, 2 (Botanika)
 Goodfruit Grower
 Gorskostopanska Nauka
 Grøn Viden, Havebrug
 Great Lakes Entomologist
 Groenten en Fruit
 Grower
 Guangdong Agricultural Science
 Gujarat Agricultural University Research Journal
 Gunma Journal of Agricultural Research, A (General)
 Harvest
 Haryana Agricultural University Journal of Research
 Haryana Journal of Horticultural Sciences
 Hassadeh
 Helminthologia
 Herba Hungarica
 Herba Polonica
 Hereditas, China
 Hereditas, Sweden
 Hilgardia
 Himachal Journal of Agricultural Research
 Hindustan Antibiotics Bulletin
 Hojas Divulgadoras, Ministerio de Agricultura, Pesca y
 Alimentación Spain
 Holly Society Journal
 Hopfen-Rundschau
 Horticultura Brasileira
 Horticulture Française
 Horticulture Week
 HortScience
 IBT-Rapport, Norway
 IDIA
 In Vitro Cellular & Developmental Biology
 Indian Agriculturist
 Indian Cashew Journal
 Indian Cocoa, Arecanut & Spices Journal
 Indian Coconut Journal (Cochin)
 Indian Farming
 Indian Forester
 Indian Horticulture
 Indian Journal of Agricultural Chemistry
 Indian Journal of Agricultural Research
 Indian Journal of Agricultural Sciences
 Indian Journal of Agronomy
 Indian Journal of Animal Health
 Indian Journal of Botany
 Indian Journal of Ecology
 Indian Journal of Entomology
 Indian Journal of Experimental Biology
 Indian Journal of Forestry
 Indian Journal of Horticulture
 Indian Journal of Medical Research
 Indian Journal of Mycological Research
 Indian Journal of Mycology and Plant Pathology
 Indian Journal of Natural Rubber Research
 Indian Journal of Nematology
 Indian Journal of Pharmaceutical Sciences
 Indian Journal of Plant Physiology
 Indian Journal of Plant Protection
 Indian Journal of Sugarcane Technology
 Indian Perfumer
 Indian Phytopathology
 Indian Review of Life Sciences
 Indian Sugar Crops Journal
 Indian Veterinary Journal
 Indonesian Agricultural Research & Development Journal
 Inflammation
 Information Bulletin, Citrus and Subtropical Fruit Research Insti-
 tute, South Africa
 Information Bulletin, Fruit and Fruit Technology Research Institute
 Informatore Agrario
 Informatore Fitopatológico
 Informe Agropecuario
 Informe de Investigación, División de Ciencias Agropecuarias y
 Maritimas, Instituto Tecnológico y de Estudios Superiores de
 Monterrey, Mexico
 Infos, Centre Technique Interprofessionnel des Fruits et Légumes,
 France
 Insect Knowledge
 Insect Science and its Application
 International Agrophysics
 International Archives of Allergy and Applied Immunology
 International Camellia Journal
 International Journal of Biometeorology
 International Journal of Control
 International Journal of Crude Drug Research
 International Journal of Food Science & Technology
 International Journal of Radiation Applications and Instrumentation,
 A (Applied Radiation and Isotopes)
 International Journal of Remote Sensing
 International Journal of Tropical Agriculture
 International Nematology Network Newsletter
 International Rice Research Newsletter
 International Tree Crops Journal
 Internationale Zeitschrift der Landwirtschaft
 Introduktsiya i Akklimatizatsiya Rastenii, Kiev
 Investigación Agraria, Economía
 Iowa State Journal of Research
 IPM Practitioner
 Iranian Journal of Plant Pathology
 Iraqi Journal of Agricultural Sciences, 'ZANCO'
 Irrigation Science

- ISO Standard
 ISPP Chemical Control Newsletter
 Israel Journal of Botany
 ITEA (Información Técnica Económica Agraria)
 Ivy Journal
 Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR, Biologicheskikh Nauk
 Izvestiya Timiryazevskoi Sel'skokhozyaistvennoi Akademii
 Japanese Journal of Crop Science
 Japanese Journal of Tropical Agriculture
 JAPCA
 JARQ (Japan Agricultural Research Quarterly)
 Jiangsu Nongye Kexue
 Jojoba Happenings
 Journal d'Agriculture Traditionnelle et de Botanique Appliquée
 Journal of Agricultural and Food Chemistry
 Journal of Agricultural Engineering Research
 Journal of Agricultural Entomology
 Journal of Agricultural Meteorology
 Journal of Agricultural Research of China
 Journal of Agricultural Science in Finland
 Journal of Agricultural Science, Tokyo Nogyo Daigaku
 Journal of Agricultural Science, UK
 Journal of Agriculture and Forestry
 Journal of Agriculture and Water Resources Research, Plant Production
 Journal of Agriculture of the University of Puerto Rico
 Journal of Agronomy and Crop Science
 Journal of Allergy and Clinical Immunology
 Journal of Applied Bacteriology
 Journal of Applied Ecology
 Journal of Applied Entomology
 Journal of Applied Seed Production
 Journal of Bengal Natural History Society
 Journal of Biochemistry
 Journal of Biological Chemistry
 Journal of Biological Control
 Journal of Biological Science Research
 Journal of Biosciences
 Journal of Cell Science
 Journal of Chemical Ecology
 Journal of Chromatographic Science
 Journal of Chromatography
 Journal of Coffee Research
 Journal of Economic Entomology
 Journal of Entomological Research
 Journal of Environmental Quality
 Journal of Environmental Science and Health, A (Environmental Science and Engineering)
 Journal of Environmental Science and Health, B (Pesticides, Food Contaminants, and Agricultural Wastes)
 Journal of Ethnopharmacology
 Journal of Experimental Botany
 Journal of Farming Systems
 Journal of Food and Agriculture
 Journal of Food Protection
 Journal of Food Safety
 Journal of Food Science
 Journal of Food Science and Technology, India
 Journal of Fujian Agricultural College
 Journal of General Microbiology
 Journal of Heredity
 Journal of Histochemistry and Cytochemistry
 Journal of Horticultural Science
 Journal of Insect Science
 Journal of Jiangsu Agricultural College
 Journal of Liquid Chromatography
 Journal of Maharashtra Agricultural Universities
 Journal of Molecular Biology
 Journal of Nanjing Agricultural University (Nanjing Nongye Daxue Xuebao)
 Journal of Nanjing University, Natural Sciences
 Journal of Natural Products
 Journal of Nematology
 Journal of North-East Forestry University, China
 Journal of Nuclear Agriculture and Biology
 Journal of Organic Chemistry
 Journal of Pesticide Science
 Journal of Phytopathology
 Journal of Plant Growth Regulation
 Journal of Plant Nutrition
 Journal of Plant Physiology
 Journal of Plant Protection in the Tropics
 Journal of Potassium Research
 Journal of Radioanalytical and Nuclear Chemistry
 Journal of Range Management
 Journal of Research APAU
 Journal of Research, Punjab Agricultural University
 Journal of Seed Technology
 Journal of Shenyang Agricultural University
 Journal of Stored Products Research
 Journal of the Agricultural Association of China
 Journal of the American Academy of Dermatology
 Journal of the American Oil Chemists' Society
 Journal of the American Podiatric Medical Association
 Journal of the American Society for Horticultural Science
 Journal of the Andaman Science Association
 Journal of the Arizona-Nevada Academy of Science
 Journal of the Arnold Arboretum
 Journal of the Bombay Natural History Society
 Journal of the Chemical Society, Perkin Transactions I
 Journal of the Chinese Agricultural Chemical Society
 Journal of the College of Science and Engineering, National Chung Hsing University
 Journal of the East Africa Natural History Society and National Museum
 Journal of the Egyptian Society of Parasitology
 Journal of the Entomological Society of British Columbia
 Journal of the Indian Botanical Society
 Journal of the Indian Society of Coastal Agricultural Research
 Journal of the Indian Society of Soil Science
 Journal of the Japanese Forestry Society
 Journal of the Japanese Society for Horticultural Science
 Journal of the Japanese Society of Agricultural Machinery
 Journal of the Korean Society for Horticultural Science
 Journal of the Korean Society of Grassland Science
 Journal of the Mississippi Academy of Sciences
 Journal of the National Institute of Agricultural Botany, UK
 Journal of the Oil Technologists' Association of India
 Journal of the Orchid Society of India
 Journal of the Rio Grande Valley Horticultural Society
 Journal of the Rubber Research Institute of Sri Lanka
 Journal of the Science of Food and Agriculture
 Journal of the Society of Agricultural Structures, Japan
 Journal of the Society of Occupational Medicine
 Journal of the Sports Turf Research Institute
 Journal of the University of Kuwait, Science
 Journal of the Yamagata Agriculture and Forestry Society
 Journal of Tropical Forestry
 Journal of Veterinary Medicine, A (Animal Physiology, Pathology and Clinical Veterinary Medicine)
 Journal of Wind Engineering and Industrial Aerodynamics
 Kagawa Daigaku Nogakubu Gakuzuyutu Hokoku (Technical Bulletin of the Faculty of Agriculture, Kagawa University)
 Kartoffel' i Ovoshchi
 Kasetsart Journal, Natural Sciences
 Kenya Coffee
 Kertészeti Egyetem Közleményei
 Kertgazdaság
 Kew Bulletin
 Kew Magazine
 Khimiya Prirodnykh Soedinenii
 Khmelevodstvo (Kiev)
 Kooperation
 Korean Journal of Crop Science
 Korean Journal of Plant Pathology
 Korean Journal of Plant Protection
 KTBL - Arbeitspapier
 KTBL-Schrift, Kuratorium für Technik und Bauwesen in der Landwirtschaft e.V. German Federal Republic
 Kulturpflanze
 Lal-Baugh
 Lancet
 Landbauforschung Völkenrode
 Landbouwmecanisie
 Landscape Research
 Landtechnik
 Laranja
 Leaflet, Texas Agricultural Experiment Station
 Lebensmittel-Wissenschaft und -Technologie
 Lesnoe Khozyaistvo
 Letters in Applied Microbiology
 Lietuvos TSR Mokslų Akademijos Darbai, C (Biologijos Mokslai)
 Lindleyana
 Lipids
 Louisiana Agriculture
 Lozarstvo i Vinarstvo
 Lucrări Științifice, Institutul Agronomic "Nicolae Balcescu", A (Agronomie)
 Lucrări Științifice, Institutul Agronomic "Nicolae Balcescu", B (Horticultură)
 Macchine e Motori Agricoli-IMA-II Trattorista
 Madras Agricultural Journal
 Malezas
 Manejo Integrado de Plagas
 Mechanizace Zemědělství
 Meddelelse, Statens Planteavltsforsøg
 Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent
 Mededelingen van het Centrum voor Onkruidonderzoek van de Rijksfaculteit Landbouwwetenschappen Rijksuniversiteit, Gent
 Mededeling, Landbouw-Economisch Instituut, Netherlands

- Medicinal & Aromatic Plants Abstracts
 Mekhanizatsiya i Elektrifikatsiya Sel'skogo Khozyaystva
 Meldinger fra Norges Landbrukskøyskole
 Memoirs of the College of Agriculture, Ehime University
 Memoirs of the Faculty of Agriculture, Hokkaido University
 Memoirs of the Faculty of Agriculture, Kagawa University
 Menara Perkebunan
 Mesopotamia Journal of Agriculture
 Metodiky pro Zavádění Výsledků Výzkumu do Zemědělské Praxe
 Mezőgazdaság Kemizálása
 Micologia Italiana
 Microbiological Sciences
 Microbiology, China
 Microbios
 Mikologiya i Fitopatologiya
 Minnesota Horticulturist
 Minnesota State Florists Bulletin
 MIRCEN Journal of Applied Microbiology and Biotechnology
 Miscellaneous Publication, Texas Agricultural Experiment Station
 Mitteilungen Klosterneuburg, Rebe und Wein, Obstbau und Früchteverwertung
 Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft Berlin-Dahlem
 Mitteilungen der Gesellschaft für Pflanzenbauwissenschaften
 Mitteilungen der Versuchsanstalt für Pilzanbau der Landwirtschaftskammer Rheinland Krefeld-Grosshüttenhof
 Mitteilungen des Obstbauversuchsrings des Alten Landes
 Mokuzai Gakkaishi (Journal of the Japan Wood Research Society)
 Molecular Immunology
 Molekul. Genet. i Biofiz (Kiev)
 Monatshefte für Veterinärmedizin
 Monograph, British Crop Protection Council
 Monograph, British Plant Growth Regulator Group
 Moscow University Biological Sciences Bulletin
 Moscow University Soil Science Bulletin
 Mushroom Journal
 Mutation Breeding Newsletter
 Mycologia
 Mycological Research
 Mycoses
 Myforest
 Mysore Journal of Agricultural Sciences
 Nachrichtenblatt des Deutschen Pflanzenschutzdienstes
 Nachrichtenblatt für den Pflanzenschutz in der DDR
 Narendra Deva Journal of Agricultural Research
 Naše Liečivé Rastliny
 National Academy Science Letters, India
 National Academy Sciences Letters, India
 Natural Enemies of Insects
 Naturaliste Canadien
 Naturwissenschaften
 Nauchno-Tekhnicheskii Byulleten' Vsesoyuznogo Ordena Lenina i Ordena Druzhby Narodov Nauchno-Issledovatel'skogo Instituta Rasteniyevodstva imeni N.I. Vavilova
 Nauchnye Doklady Vysshel' Shkoly, Biologicheskije Nauki, Moscow
 Nauka u Praksi
 Nauka v SSSR
 Nematologia Brasileira
 Nematologia Mediterranea
 Nematologica
 Nematology Plant Protection Pointer
 Nematropica
 Netherlands Journal of Agricultural Science
 New Phytologist
 New York's Food and Life Sciences Bulletin
 New Zealand & Southern Hemisphere Horticulture
 New Zealand Commercial Grower
 New Zealand Journal of Botany
 New Zealand Journal of Crop and Horticultural Science
 New Zealand Journal of Experimental Agriculture
 Newsletter of the Association of Official Seed Analysts
 Nigerian Journal of Palms and Oil Seeds
 Nigerian Journal of Weed Science
 Ningxia Journal of Agro-forestry Sciences and Technology
 Nippon Nogekagaku Kaishi
 Nordic Journal of Botany
 Norma Cubana
 Norsk Landbruk
 Norsk Landbruksforskning
 North Carolina Flower Growers' Bulletin
 Norwegian Journal of Agricultural Sciences
 Notes from the Royal Botanic Garden, Edinburgh
 Noticias Agrícolas
 Növénytermelés
 Növényvédelem
 Nucleus, India
 Nucleus, Pakistan
 Nutrition Research
 Obstbau Weinbau
 Occasional Paper, National Horticultural Research Institute, Ibadan
 Occasional Publication, Instituto Superior de Ciencias Agropecuarias de la Habana
 Occasional Publication, Instituto Superior de Ciencias Agropecuarias, de la Habana
 Ochrona Roślin
 Oecologia
 Ohio Florists' Association Bulletin
 Olea
 Oléagineux
 Orchardist of New Zealand
 Orchid Review
 Outlook on Agriculture
 Ovoštarstvo, Gradinarstvo i Konservna Promishlenost
 Pacific Northwest Extension Publication
 Pafai Journal
 Pakistan Journal of Agricultural Research
 Pakistan Journal of Forestry
 Pakistan Journal of Nematology
 Pakistan Journal of Scientific and Industrial Research
 Pamiętnik Puławski
 Paper, American Society of Agricultural Engineers
 Parasitica
 Parks & Sports Grounds
 Patent
 PCARRD Monitor, Philippine Council for Agriculture, Forestry and Natural Resources Research and Development
 Pemberitaan, Penelitan Tanaman Industri, Indonesia
 Pennsylvania Fruit News
 Periodicum Biologorum
 Periodieke Rapportage, Landbouw-Economisch Instituut, Netherlands
 Perkin Transactions I
 Pertanika
 Pesquisa Agropecuária Brasileira
 Pesquisa em Andamento, Centro Nacional de Pesquisa de Uva e Vinho, EMBRAPA, Brazil
 Pesquisa em Andamento, Empresa Capixaba de Pesquisa Agropecuária, EMCAPA, Brazil
 Pesquisa em Andamento, Empresa Catarinense de Pesquisa Agropecuária, EMPASC, Brazil
 Pesquisando
 Pesticide Science
 Pesticides
 Pflanzenschutz
 Pflanzenschutzberichte
 Pharmazie
 Philippine Entomologist
 Philippine Journal of Crop Science
 Philippine Journal of Science
 Physiologia Plantarum
 Physiological and Molecular Plant Pathology
 Physis, C, Los continentes y los organismos terrestres
 Phytochemistry
 Phytoma
 Phytomorphology
 Phytom, Argentina
 Phytom, Austria
 Phytoparasitica
 Phytopathology
 Phytophylactica
 Phytprotection
 PKV Research Journal
 Plant and Cell Physiology
 Plant and Soil
 Plant Breeding
 Plant Cell
 Plant Cell Reports
 Plant Cell, Tissue and Organ Culture
 Plant Disease
 Plant Disease Research
 Plant Foods for Human Nutrition
 Plant Growth Regulator Bulletin
 Plant Growth Regulator Society of America Quarterly
 Plant Pathology
 Plant Pathology Circular, Division of Plant Industry, Florida Department of Agriculture and Consumer Services
 Plant Physiology
 Plant Physiology & Biochemistry, India
 Plant Physiology and Biochemistry, France
 Plant Physiology Communications
 Plant Propagator
 Plant Protection
 Plant Protection Bulletin, India
 Plant Protection Bulletin, Taiwan
 Plant Protection News, South Africa
 Plant Protection Quarterly
 Plant Research and Development
 Plant Science, Irish Republic
 Plant Varieties and Seeds
 Plant Varieties Journal
 Plant Variety Protection Office, Official Journal

- Plant, Cell & Environment
 Planta
 Planta Medica
 Pflanzenbeurs
 Planter
 Planters' Chronicle
 Plants Today
 Plantsman
 Plasticulture
 Plodoovoshchnoe Khozaystvo
 Pochvoznaniye i Agrokhiimiya
 Pochvoznaniye, Agrokhiimiya i Rastitelna Zashchita
 Pol'nohospodárstvo
 Poljoprivredna Znanstvena Smotra
 PORIM Bulletin, Palm Oil Research Institute, Malaysia
 PORIM Occasional Paper, Palm Oil Research Institute, Malaysia
 Post Production Systems Newsletter, SADCC (Southern African Development Coordination Committee), Zimbabwe
 Potash Review
 Prediction and Forecast of Pest
 Proceedings of Faculty of Agriculture, Kyushu Tokai University
 Proceedings of Parasitology
 Proceedings of the Annual Congress of the South African Sugar Technologists' Association
 Proceedings of the Association for Plant Protection of Kyushu
 Proceedings of the Entomological Society of Washington
 Proceedings of the Florida State Horticultural Society
 Proceedings of the Hawaiian Entomological Society
 Proceedings of the Indian National Science Academy, B (Biological Sciences)
 Proceedings of the Interamerican Society for Tropical Horticulture
 Proceedings of the Koninklijke Nederlandse Akademie van Wetenschappen, Series C: Biological and Medical Sciences
 Proceedings of the National Academy of Sciences of the United States of America
 Proceedings of the West Virginia Academy of Science
 Proceedings, Annual Conference, Agronomy Society of New Zealand
 Proceedings, Fertiliser Society, UK
 Proceedings, Soil and Crop Science Society of Florida
 Proceedings, Virginia Turfgrass Conference and Trade Show
 Producția Vegetală, Horticultura
 Professional Horticulture
 Progrès Agricole et Viticole
 Progress Report, Alabama Agricultural Experiment Station, USA
 Progressive Horticulture
 Prophyta
 Protoplasma
 Publicación Miscelánea, Estación Experimental Agro-Industrial "Obispo Colombres" de Tucumán, Argentina
 Publication, Agriculture Canada
 Publikatie, Instituut voor Bewaring en Verwerking van Landbouwprodukten, Wageningen
 Publikatie, Landbouw-Economisch Instituut, Netherlands
 Punjab Horticultural Journal
 Punjab Vegetable Grower
 Pyrethrum Post
 Quarterly Bulletin of the North American Lily Society
 Quarterly Newsletter, Asia and Pacific Plant Protection Commission, FAO, Thailand
 Quarterly Newsletter, Tea Research Foundation of Central Africa
 Queensland Agricultural Journal
 Queensland Department of Primary Industries Information Series
 Queensland Journal of Agricultural and Animal Sciences
 Radovi Poljoprivrednog Fakulteta Univerziteta u Sarajevu
 RAPA Publication, FAO Regional Office for Asia and the Pacific
 Rapport, Institutionen för Lantbrukets Byggnadsteknik, Sveriges Lantbruksuniversitet
 Rapport, Institutionen för Trädgårdsvetenskap, Sveriges Lantbruksuniversitet
 Rapport, Instituut voor Bodemvruchtbaarheid, Netherlands
 Rasen Grünflächen Begrünungen
 Rasteniye dni Nauki
 Rastitel'nye Resursy
 Report of the Kyushu Branch of the Crop Science Society of Japan
 Report of the Taiwan Sugar Research Institute
 Report, Centre for Agrobiological Research, Netherlands
 Report, Cucurbit Genetics Cooperative, USA
 Reporte Científico, Facultad de Silvicultura y Manejo de Recursos Renovables, Universidad Autónoma de Nuevo León
 Research Bulletin of the Aichi-ken Agricultural Research Center, Japan
 Research Bulletin of the Faculty of Agriculture, Gifu University
 Research Bulletin of the Hokkaido National Agricultural Experiment Station
 Research Bulletin, Agricultural Experiment Stations, University of Georgia
 Research Bulletin, Colorado Greenhouse Growers' Association
 Research Bulletin, Colorado State University
 Research Bulletin, Georgia Agricultural Experiment Stations
 Research Bulletin, Marathwada Agricultural University
 Research Bulletin, Massachusetts Agricultural Experiment Station
 Research Bulletin, Tainan District Agricultural Improvement Station, Taiwan
 Research Circular, Ohio Agricultural Research and Development Center
 Research Extension Series, Hawaii Institute of Tropical Agriculture and Human Resources
 Research Monitor, Department of Agriculture, Thailand
 Research Report on Agricultural Machinery, Kyoto University
 Research Report, Agricultural Economics Research Unit, Lincoln College, New Zealand
 Research Report, Central Electricity Generating Board, UK
 Research Report, Georgia Agricultural Experiment Stations
 Research Report, Mississippi Agricultural and Forestry Experiment Station
 Research Report, National Institute for Environmental Studies, Japan
 Research Reports of the Institute of Forest Genetics, Korea Republic
 Research Reports of the Rural Development Administration, Agricultural Engineering & Farm Management, Korea Republic
 Research Reports of the Rural Development Administration, Agricultural Engineering, Farm Management, Sericulture, Korea Republic
 Research Reports of the Rural Development Administration, Biotechnology, Korea Republic
 Research Reports of the Rural Development Administration, Crops, Korea Republic
 Research Reports of the Rural Development Administration, Horticulture, Korea Republic
 Research Reports of the Rural Development Administration, Plant Environment, Mycology & Farm Products Utilization, Korea Republic
 Research Reports of the Rural Development Administration, Soils & Fertilizer, Korea Republic
 Research Review Series, University of Agricultural Sciences, Bangalore, India
 Research Series, College of Tropical Agriculture and Human Resources, University of Hawaii
 Residue Reviews
 Résumé des Recherches, Station de Recherches de Saint-Jean-sur-Richelieu, Québec
 Reviews of Environmental Contamination and Toxicology
 Revista Brasileira de Ciência do Solo
 Revista Cafetalera
 Revista Ceres
 Revista Colombiana de Entomologia
 Revista de Agricultura, Piracicaba, Brazil
 Revista de Agroquímica y Tecnología de Alimentos
 Revista de la Facultad de Agronomía, Universidad Central de Venezuela
 Revista de la Facultad de Agronomía, Universidad Nacional de La Plata
 Revista de Microbiología
 Revista de Protección Vegetal
 Revista do Centro de Ciências Rurais
 Revista Española de Electrónica
 Revista Frutícola
 Revista Industrial y Agrícola de Tucumán
 Revista Latinoamericana de Microbiología
 Revista Theobroma
 Revue Agricole et Sucrière de l'Île Maurice
 Revue de l'Agriculture
 Revue de Nématologie
 Revue Horticole
 Revue Roumaine de Biologie
 Revue Suisse de Viticulture, d'Arboriculture et d'Horticulture
 Rhododendron und Immergrüne Laubgehölze Jahrbuch
 Rivista di Agricoltura Subtropicale e Tropicale
 Rivista di Agronomia
 Rivista di Ingegneria Agraria
 Rivista di Viticoltura e di Enologia
 Robot, Japan
 Roczniki Gleboznawcze
 Roczniki Nauk Rolniczych, A (Produkcja Roślinna)
 Roczniki Nauk Rolniczych, E (Ochrona Roślin)
 Rose
 Rostlinná Výroba
 Rubber Board Bulletin, India
 SACCAR Workshop Series, Southern African Centre for Cooperation in Agricultural Research
 Sadovodstvo i Vinogradarstvo
 Sarawak Museum Journal
 Sborník Mechanizační Fakulty, Vysoké Školy Zemědělské v Praze
 Sborník Nauchnykh Trudov po Prikladnoi Botanike, Genetike i Selekcii
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- Sbornik Vysoké Školy Zemědělské v Praze, Fakulta Agronomická, A (Rostlinná Výroba)
- Schriftenreihe des Bundesministers für Ernährung, Landwirtschaft und Forsten, A (Angewandte Wissenschaft), German Federal Republic
- Schriftenreihe, Verband Deutscher Landwirtschaftlicher Untersuchungs- und Forschungsanstalten, Reihe Kongressberichte
- Schweizerische Zeitschrift für Obst- und Weinbau
- Science and Culture
- Science Bulletin of the College of Agriculture, University of the Ryukyus, Okinawa
- Science Bulletin of the Faculty of Agriculture, Kyushu University
- Science in New Guinea
- Science of the Total Environment
- Science, USA
- Sciences des Aliments
- Scientia Agricultura Sinica
- Scientia Horticulturae
- Scientific Reports of the Faculty of Agriculture, Ibaraki University
- Scientific Reports of the Faculty of Agriculture, Okayama University
- Scientific Reports of the Kyoto Prefectural University, Agriculture
- Scientific Reports of the Miyagi Agricultural College
- Seed Research
- Seed Science and Technology
- Sel'skokhozyaistvennaya Biologiya
- Selskostopanska Nauka
- Selskostopanska Tekhnika
- Sementi Elette
- Serie Técnica, Corporación Nacional de Investigación y Fomento Forestal, Colombia
- Sexual Plant Reproduction
- Shanghai Agricultural Science and Technology
- Shanxi Agricultural Science
- Shanxi Fruit Trees
- Sibirskii Vestnik Sel'skokhozyaistvennoi Nauki
- Simiente
- Singapore Journal of Primary Industries
- Soil Biology & Biochemistry
- Soil Science
- Soil Science and Plant Nutrition
- Soil Science Society of America Journal
- Soil Use and Management
- Soilless Culture
- Soils
- Soils and Fertilizers in Taiwan
- South African Journal for Enology and Viticulture
- South African Journal of Botany
- South African Journal of Plant and Soil
- South African Journal of Science
- South African Journal of Wildlife Research
- South African Sugar Journal
- South Indian Horticulture
- Southern Journal of Agricultural Economics
- Southwestern Naturalist
- Soviet Agricultural Sciences
- Soviet Journal of Ecology
- Soviet Meteorology and Hydrology
- Soviet Plant Physiology
- Special Circular, Ohio Agricultural Research and Development Center
- Special Publication, Agronomy Society of New Zealand
- Special Publication, Georgia Agricultural Experiment Stations
- Sports Turf Bulletin
- Sri Lanka Journal of Tea Science
- Station Bulletin, Agricultural Experiment Station, University of Minnesota
- Subtropicheskie Kul'tury
- Sugar Cane
- Sulphur in Agriculture
- Szaktanácsok
- Szőlőtermesztés és Borászat
- Tagungsbericht, Akademie der Landwirtschaftswissenschaften der DDR
- Taiwan Agriculture Bimonthly
- Taiwan Asparagus Research
- Taiwan Sugar
- TARO Newsletter
- Taxon
- Tea
- Technical Bulletin, Agricultural Research Institute, Cyprus
- Technical Bulletin, Faculty of Horticulture, Chiba University
- Technical Bulletin, Food and Fertilizer Technology Center for the Asian and Pacific Region, Taiwan
- Technique Agricole
- Tekhnika v Sel'skom Khozyaistve
- Telma
- Tennessee Farm and Home Science
- Terra e Sole
- Tetrahedron
- Tetrahedron Letters
- Thai Journal of Agricultural Science
- Theoretical and Applied Genetics
- Tidsskrift for Planteavl
- Transactions of the ASAE, American Society of Agricultural Engineers
- Transactions of the Indian Society of Desert Technology
- Transactions of the Mycological Society of Republic of China
- Transactions of the National Academy of Science and Technology
- Translation, Electricity Council, Overseas Relations Branch, UK
- Tree Physiology
- Tropenlandwirt
- Tropenlandwirt, Beiheft
- Tropical Agriculture, UK
- Tropical Ecology
- Tropical Pest Management
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- Tsitologiya
- Türkiye Entomoloji Dergisi
- Turrialba
- Two and a Bud
- UCLA Symposia on Molecular and Cellular Biology
- Ugeskrift for Læger
- Ukrains'kii Botanichnyi Zhurnal
- UNILEC Informations, Union Nationale Interprofessionnelle des Légumes de Conserve, France
- United States Patent
- USSR Patent
- Utah Science
- Vakblad voor de Bloemisterij
- Vår Föda
- Växtskyddsnotiser
- Vědecké Práce Ovocnářské
- Vědecké Práce Výskumného Ústavu Ovocných a Okrasných Drevín v Bojniciach
- Vegetable Growers Leaflet, National Institute of Agricultural Botany, UK
- Verbondsnieuws voor de Belgische Sierteelt
- Vestnik Sel'skokhozyaistvennoi Nauki, Moscow, USSR
- Vestsī Akademii Navuk BSSR, Bitylagichnykh Navuk
- Veterinary and Human Toxicology
- Vignevine
- Vingnanam Journal of Science
- Vitis
- Waldhygiene
- Wallaceana
- Water & Irrigation Review
- Weed Research, Japan
- Weed Research, UK
- Weed Science
- Weed Technology
- Weekblad Groenten en Fruit
- Weinwissenschaft
- West Virginia Forestry Notes
- Wildlife Society Bulletin
- Wissenschaftliche Zeitschrift der Humboldt-Universität zu Berlin, Mathematisch-Naturwissenschaftliche Reihe
- Working Paper, Australian Centre for International Agricultural Research
- Yearbook, South African Avocado Growers' Association
- ZANCO
- Zashchita Rastenii, Moscow
- Zaštita Bilja
- Zbornik Biotehniške Fakultete Univerze Edvarda Kardelja v Ljubljani, Kmetijstvo
- Zeitschrift für Angewandte Zoologie
- Zeitschrift für Hautkrankheiten
- Zeitschrift für Lebensmittel-Untersuchung und -Forschung
- Zeitschrift für Naturforschung, B (Chemical Sciences)
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- Zeitschrift für Pflanzenernährung und Bodenkunde
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- Zemědělská Technika
- Zentralblatt für Mikrobiologie
- Zhejiang Agricultural Science
- Zhongguo Shiyongjun (Edible Fungi of China)
- Zierpflanzenbau
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For further information, contact:

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Telex: 847964 (COMAGG G)
Telefax: (0491) 33508

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Wallingford, Oxon OX10 8DE, UK

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Director General: Don Mentz BAgSci, BEcon

Director, Information Services: J.R. Metcalfe MA, PhD, DIC, DTA, FIBiol

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The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

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- Animal Health
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- Nutrition
- Pastures & Field Crops
- Crop Protection
- Horticulture & Plantation Crops
- Plant Breeding & Genetics
- Soils
- Forestry

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CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Muller, located at Winches Farm, St Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

Development Services, (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

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The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and information retrieval and PAGER for typesetting.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

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